

INSTALLATION
CHEMICAL,
BIOLOGICAL,
RADIOLOGICAL,
NUCLEAR (CBRN)
FORCE PROTECTION
Commandant
USACMLS

Problem Statement:

- Provide near-term capability for installations to prepare for, respond to and mitigate the effects of a terrorist CBRN attack.**
- Design a package that can be tailored to individual installation needs.**
- Develop long-term solution as time permits.**

Employ Staff and Faculty Chemical Officers/NC

Threat Overview

➤ ACCESS TO CHEMICALS/AGENTS IN US FROM WIDE VARIETY OF SOURCES

- Chemical tanker rails cars and trucks
- Nuclear Power plants
- Industrial chemical plants/storage
- Research/Pharmaceutical Laboratories
- Pool Supply Companies
- Maintenance/Janitorial Companies
- Industrial Supply Companies
- Foreign militaries
- Dissidents

➤ BIOLOGICAL EASILY DISPERSES- IF YOU HAVE AN AGENT YOU HAVE A WEAPON

➤ ASYMMETRIC ADAPTATIONS AND APPLICATIONS

- Easily concealed
- Little technical outlay
- Domestic acquisition
- Ease of transportation
- Make use of existing targets
- (Nuc Power Plants/Bhopal India)

➤ TERRORIST HAVE SHOWN THERE ARE NO INNOCENTS

- Revenge for attacks could include CBRN
- CBRN attack could seriously impact American will
- CBRN attack will have a lasting impact
- Psychological impact of chemical use

PREPARATORY ACTIONS

- **Rehearse/Initiate Installation FP Plan**
- **Conduct Friendly Capability Assessment (Organic, Tenant, Local, & Regional)**
- **Conduct Vulnerability Analysis**
- **Activate C4ISR Network**
- **Initiate Active Surveillance using organic sensors**
- **Confirm Reachback Sources**
- **Initiate Medical Surveillance Program and Review MASCAL/EVAC HAZMAT Response Plan**
- **Initiate Coordination with local authorities (Health Surv, Security)**
- **Identify Local Hazards (Industrial Sites, Mil HAZMAT Storage)**
- **Establish Survey/Decontamination Teams**

ACTIONS DURING AN ATTACK

- **Implement Command Information Themes for Non-Standard Reactions**
- **Execute Installation Warning and Reporting Procedures (Local/Fed/State/DOD Cmds)**
- **Execute Contamination/Hazard Avoidance Procedures**
- **Alert Consequence Management Response Task Force**
- **Identify Staging Areas for Follow on Response Forces**
- **Update Threat Assessment**

POST ATTACK OPERATIONS

- **Confirm Hazard (CBRNE to include Toxic Industrial Materials)**
- **Assess Results (BDA) of CBRNE Event**
- **Initiate Consequence Management Response Task Force**
- **Implement Essential Personnel Evac/Stay in Place Plan**
- **Activate Local Response Assembly Area/Plan**
- **Assess Requirements for Restoration**

CRITICAL CAPABILITIES

- **Command and Control**
 - **Planning Capability** (*Team command and control element must plan for and integrate team employment into post response plan*)
 - **Direct Operations** (*Team command and control element must control actual team employment during incident*)
- **CBRN Detection/Identification**
 - **TIM/Traditional Warfare Agents** (*Team must be able to detect known CBRN agents to provide required info for treatment of casualties and restoration operations*)
 - **Mark Hazard Areas** (*Team must prevent personnel from unknowingly entering area and becoming a casualties or spreading contamination*)
- **Patient Triage (Medical response)**
 - **Initial treatment on site** (*Team must be supported by medical assets to provide initial triage and treatment to personnel injured in incident to allow evacuation to Medical Treatment Facility after decon.*)

CRITICAL CAPABILITIES

- **Patient Decon**

- *Decon of limited # of personnel (Team must have capability to decon contaminated injured personnel to save lives, limit spread of contamination, and allow transport to Medical Treatment Facility)*

- **Advise Installation Commanders**

- *Before, during, and after incident (Team must be able to advise installation commanders on B/D/A actions to prepare and respond.)*

- **Security Linkage**

- *Initial site security (Team must link to installation security to control access and prevent casualties)*
- *Site evacuation / isolation (Team must link to installation security to ensure evacuation of facilities and isolation of incident areas to limit casualties and spread of contamination.)*

Equipment for Critical Capabilities

- **Command and Control Element - Advise Installation Cdrs and Provide Security Linkage (~3-5 Personnel)**
 - **Secure Radios (*to maintain comms with rest of the installation response process*)**
 - **Protective Masks (*to prevent casualties*)**
 - **Hazard Prediction (*control evacuation and prevent casualties; develop planning options and training scenarios.*)**

Equipment for Critical Capabilities

- **Detection Team - Detection/Identification of CBRN (~8 personnel)**
 - **Protective Suits up to Level A**
 - **HAPSITE GC/MS Detector**
 - **Improved Chemical Agent Monitor (ICAM)**
 - **M22 ACADA**
 - **Self Contained Breathing Apparatus (SCBA)**
 - **Portable Biological Agent Sampler (PBAS)**
 - **Radiac Sets (AN-VDR-2, AN-PDR-77, UDR-13)**
 - **M256 Detector Kit**
 - **M8/M9 Detector Paper**
 - **Kit, Draeger (HAZMAT)**

Equipment for Critical Capabilities

- **Medical Team - Patient Triage (~ 3 personnel)**
 - **Med Equip Set, Chem Agt Patient Treatment**
 - **Personal Protective Equipment**
- **Decon Team - Patient Decon (~ 4 personnel)**
 - **Protective Suits; TYVEK**
 - **Decon Litters**
 - **Decon Support Kit**
 - **Decon System**
 - **Decontaminates (water/bleach/soap/etc)**
 - **Protective masks**
 - **Med Equip Set, Chem Agt Patient Decontamination**

WAY AHEAD

- **DOCTRINE: Adapt existing and approved Doctrine (NLT 21 Sep 01)**
- **TRAINING:**
 - **Near Term: Identify existing training materials. Build training program leveraging existing computer based instruction. Build train the trainer and televideo instruction.**
 - **Adapt existing WMD-CST collective T&EO's (NLT 21 Sep 01)**
 - **Mid Term: Revise Installation's First Responders course**
 - **Far Term: Validate readiness with a mobile assessment team**

WAY AHEAD

- **LEADERS: Leverage Incident Commander System computer assisted instruction**
- **ORGANIZATION: Create matrix support organizational design that relies on best practices and existing installation assets**
- **MATERIEL: Adapt and leverage COTS and military systems to meet CBRN-IST requirements, finalize materiel list. Coordinate with SBCCOM and JPO BIO for equipment procurement.**

BACK-UP

Key References

CJCSI 3125.01 Military Assistance to Domestic Consequence Operations in Response to a CBRNE Situation, 3 Aug 01.

Department of the Army, Installation Preparedness for Weapons of Mass Destruction, *Installation Commander's Blueprint*, May 2001,

FM 3-11.21, Multiservice Tactics, Techniques and Procedures for NBC Aspects of Consequence Management, Final Draft

FM 3-11.34 Multiservice Procedures For Nuclear, Biological, and Chemical (NBC) Defense of Theater Fixed Sites, Ports, and Airfields, August 2000

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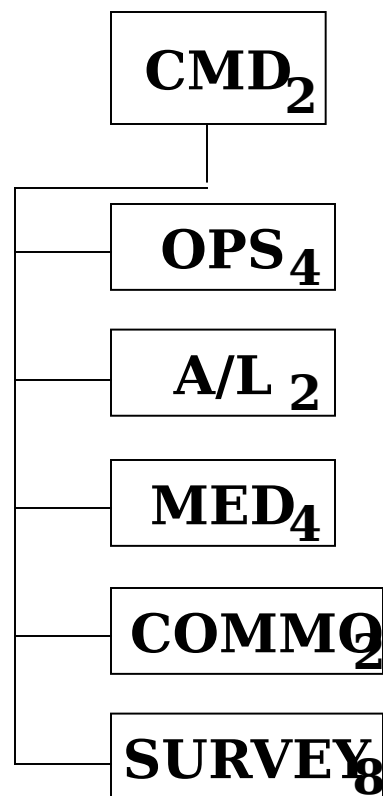
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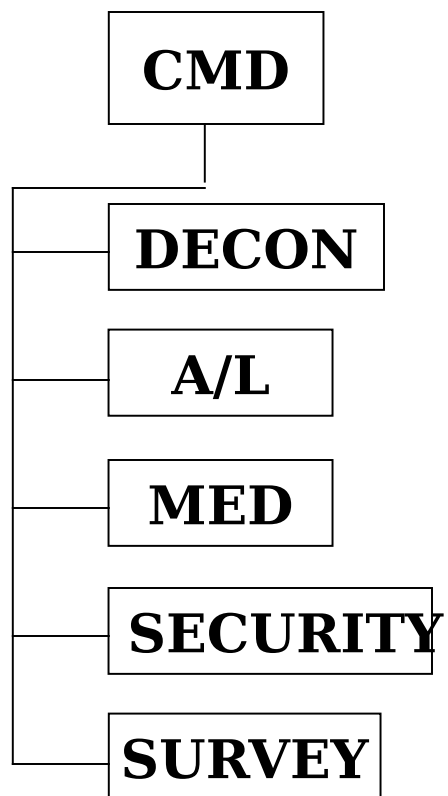
Force Design:

WMD-CST



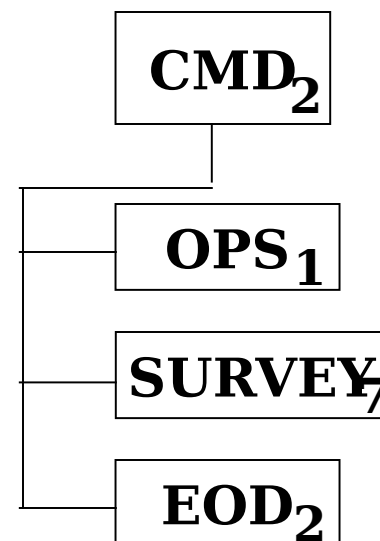
7 Off/15 Enl

CBRN-IST



TBD Personnel2 Off/10 Enl

HQDA-IST



Courses of Action:

1. WMD Civil Support Team (CST)

Duplicate of ARNG team (22 full-time personnel)

Deployable / self sufficient

2. WMD- Installation Support Teams (M)

Matrix from installation assets

Procure additional equipment capability for CBRN

Additional skills training required

3. WMD- Installation Support Team (D)

Full time dedicated team from installation assets.

Can assist with other disaster operations

Courses of Action (Cont):

4. HQDA Proposal

**Brigade structure - 5 subordinate
Bns -5 Companies
Each CO = 6x12 person team
150 installations can be supported
Similar to Tech Escort Teams**

5. Any combination of above

<u>ESSENTIAL</u> <u>CAPABILITIES</u>	CS T	IST(M)	IST(D)	HQD A
Command & Control	X	X	X	X
Recon / Detect / ID	X	X	X	X
Patient Treatment		X	X	
Patient Decontamination		X	X	
Advise Installation Commanders	X	X	X	X
Security Linkage		X	X	
<u>ADDED</u> <u>CONSIDERATIONS</u>				
Dedicated Personnel	X		X	X
Advanced Commo Suite	X			
Expeditionary Airborne and Ground Forces				X